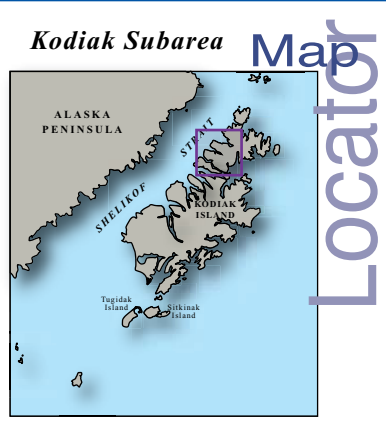
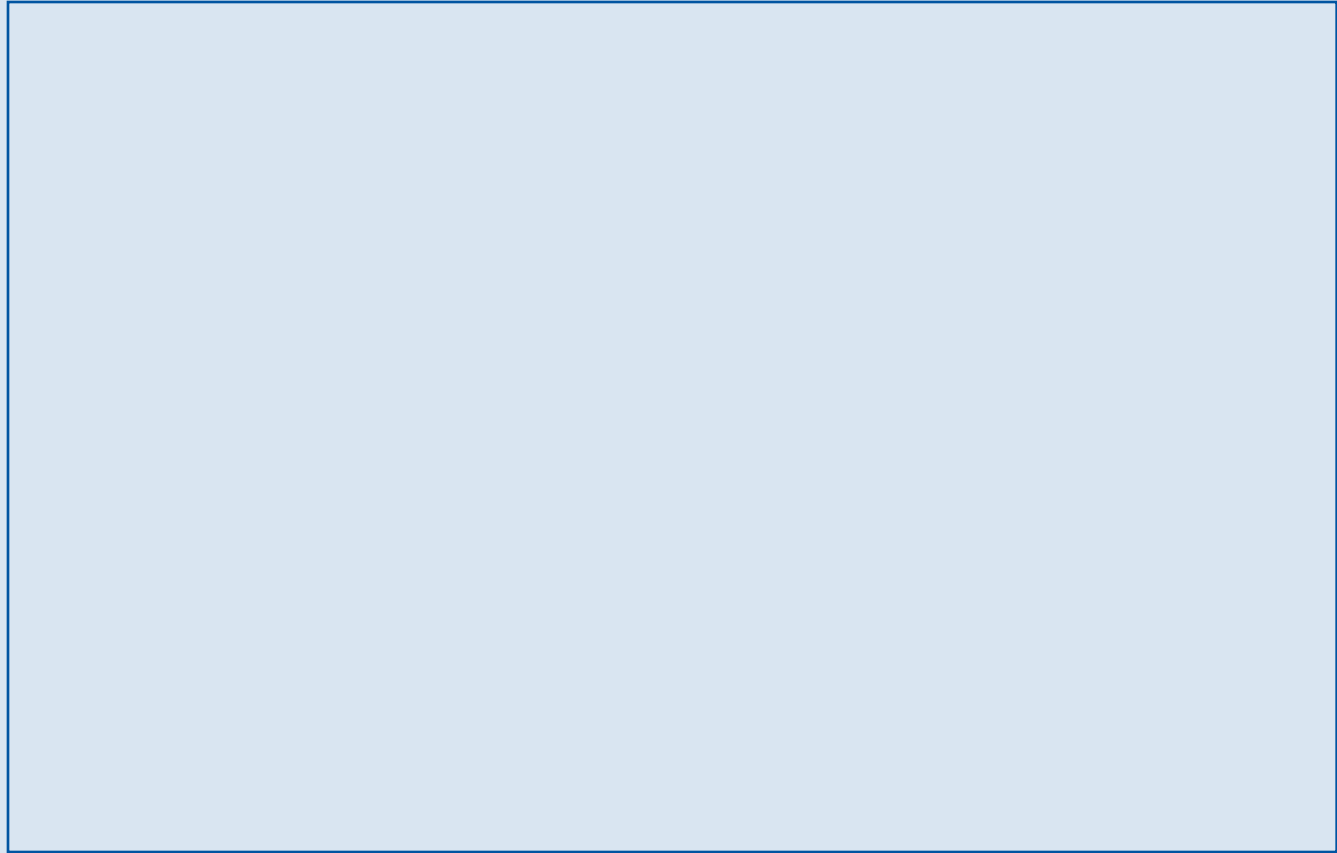


Places of Refuge

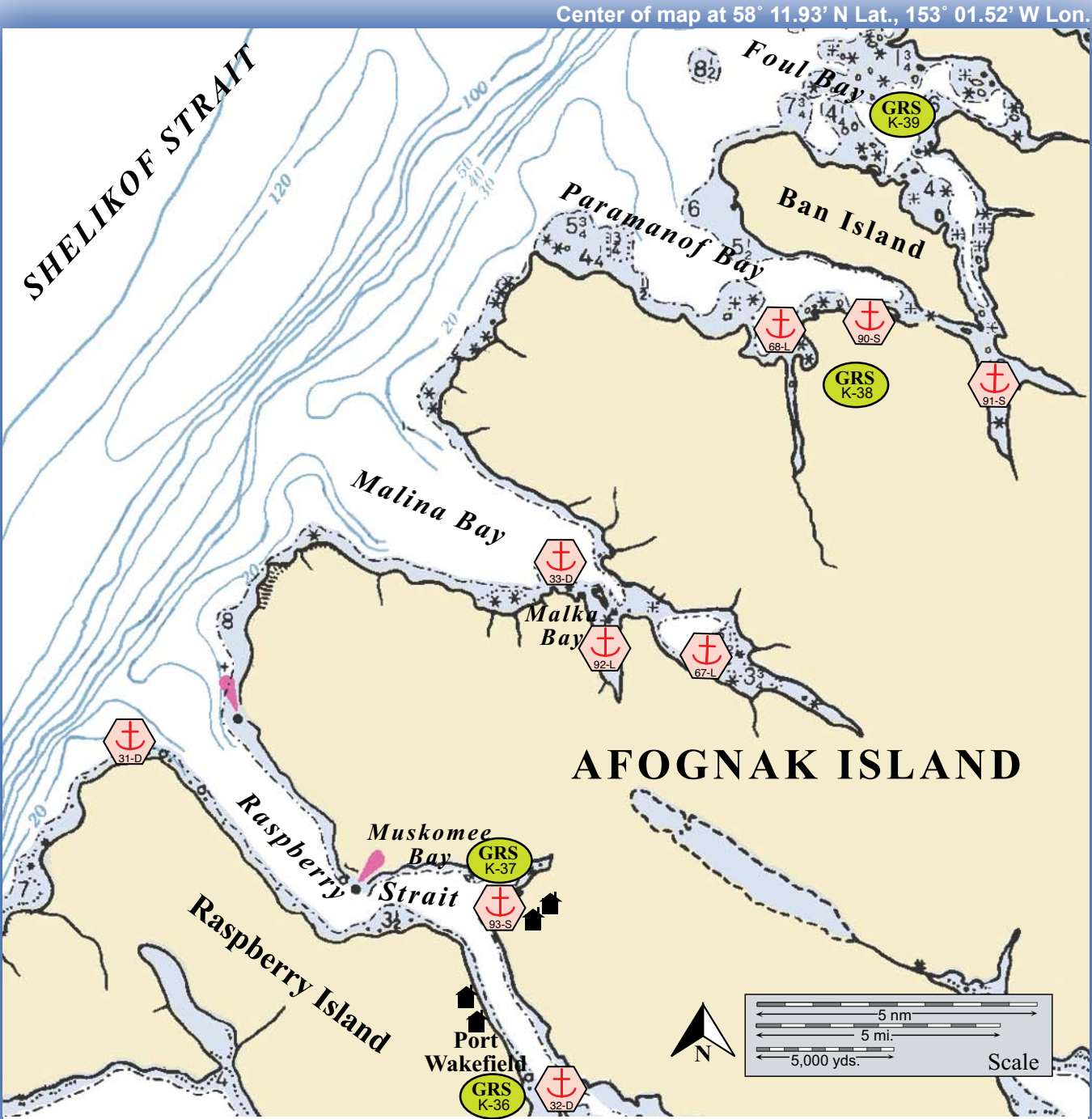


Kodiak Map 9 photos.....



Kodiak Map 9 photos.....

Potential Places of Refuge for Kodiak Island Subarea



This is not intended for navigational use.

Soundings in fathoms

	Anchorage		Airport
	Mooring		Existing GRS
	Dock/pier		Fish Hatchery
	Grounding Site		Public Use Cabins
	Crane		Private Cabins

Kodiak PPOR Map 09

Kodiak PPOR-09 Site Considerations – Western Afognak Island Area									
<i>Name</i>	Raspberry Island Anchorage	Raspberry Strait	Malina Bay	Malina Bay	Paramanof Bay	Paramanof Bay-east	Paramanof Bay-west	Malka Bay	Muskomee Bay
ID Number	31-D	32-D	33-D	67-L	68-L	90-S	91-S	92-S	93-S
Human Health & Safety									
Communities – distances-nm	Port Lions-35, Kodiak-60	Port Lions-47, Kodiak-72	Port Lions-46, Kodiak-71	Port Lions-49, Kodiak-74	Port Lions-43, Kodiak-68	Port Lions-43, Kodiak-68	Port Lions-43, Kodiak-68	Port Lions-48, Kodiak-73	Port Lions-43, Kodiak-68
Natural Resource Considerations									
Wildlife	Salmon and herring spawning, sea lions, seals, otters, eagle nesting, seabird nesting, waterfowl concentration								
Threatened & Endangered Species	Sea lions feed in the area, no noted haul-outs								
Environmentally Sensitive Areas	Nearby Selief and Muskomee Bays are designated as a High Priority Environmentally Sensitive Area		Not designated		Designated as a High Priority Environmentally Sensitive Areas				
Other Stakeholder Considerations									
Fisheries	Salmon, herring,crab,groundfish								
Mariculture	None		Salmon runs enhanced		None				
Subsistence		Intertidal harvest, salmon, ground fish							
Historic Property ???									
Tourism/Recreation	High recreational use area- sport fishing, kayaking, anchorage, excursion boats								
Waterfront Public Facilities/Parks	None				Kodiak National Wildlife Refuge-no facilities				
Waterfront Private Facilities	None	Numerous private cabins and lodges	None		None				Numerous private cabins and lodges
Response and Salvage Resource Considerations									
Ability to Boom Vessel	Weather dependent	Yes	Weather dependent			Yes			
Geographic Response Strategies	K-36 Selief Bay,K-37 Muskomee Bay		None		K-38 Paramanof Bay			None	K-37 Muskomee Bay
Closest Alternative Places of Refuge (same sized vessel)	PPOR 09-31-D Malina Bay: 13nm	PPOR 09-32-D Raspberry Island Anchorage: 14nm	PPOR 09-32-D Raspberry Island Anchorage:13nm	PPOR 09-68-L Malina Bay: 18nm	PPOR 09-67-L Paramanof Bay: 18nm	PPOR 09-91-SParamanof Bay-west: 3nm	PPOR 09-67-L Paramanof Bay-east: 3nm	PPOR 09-91-S Paramanof Bay-west: 16nm	PPOR 09-92-S Malka Bay: 17nm

Kodiak PPOR-09 Western Afognak Island Area Stakeholders	
Landowner (yr-2006)	Contact
Kodiak National Wildlife Refuge	Refuge Manager
Afognak Native Corporation	Chief Executive Officer
Ouzinkie Native Corporation	President
Afognak Joint Venture	Chief Executive Officer
Alaska Department of Natural Resources-Habitat Management & Permitting	Natural Resource Manager
Kodiak Island Borough	Borough Manager
Alaska Maritime National Wildlife Refuge	Refuge Manager
Private Landowners-contact Alaska State Lands Recorder Office	Kodiak District Recorder

Kodiak PPOR-09 Physical and Operational Characteristics – Western Afognak Island Area										
Name	Raspberry Island Anchorage	Raspberry Strait	Malina Bay	Malina Bay	Paramanof Bay	Paramanof Bay-east	Paramanof Bay-west	Malka Bay	Muskomee Bay	
ID Number	31-D	32-D	33-D	67-L	68-L	90-S	91-S	92-S	93-S	
Anchorage Locations	58°09.20'N 153°18.96'W	58°02.47'N 153°02.17'W	58°12.70'N 153°01.78'W	58°11.13'N 152°57.00'W	58°17.18'N 152°54.30'W	58°17.17'N 152°50.83'W	58°16.07'N 152°46.03'W	58°11.12'N 153°00.23'W	58°06.42'N 153°03.84'W	
Mooring Locations	Nearest PPOR 02-44-L Kazakof Bay-1 Moorage									
Docks/Piers	Nearest PPOR 08-89-S Port Bailey Cannery-10ft. max vessel draft at MLLW									
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons			Light draft, up to 20,000 Gross Tons		Shallow draft, 300 Gross Tons and less				
Type of Berthing	Anchorage									
Contact	N/A									
Navigational Approach	Approach from N,S,SW	Approach from NW	Approach from W	Approach from W	Approach from W			Approach from N	Approach from SE	
Minimum Water Depths	14 Fathoms in swing area	17 Fathoms in swing area	13 Fathoms in swing area	13 Fathoms in swing area	15 Fathoms on approach	17 Fathoms in swing area	5 Fathoms in swing area	6.75 Fathoms in swing area	2.5 Fathoms in swing area	
Maximum Water Depth	27 Fathoms in swing area	18 Fathoms in swing area	41 Fathoms in swing area	29 Fathoms in swing area	23 Fathoms in swing area	23 Fathoms in swing area	12 Fathoms in swing area	17 Fathoms in swing area	13 Fathoms in swing area	
Maximum Vessel Draft	60 ft			25 ft.		15 ft.			12 ft.	
Swing Room	3600 ft.	1500 ft.	2400 ft.	2400 ft.	1900 ft.	800 ft.	800 ft.	500 ft.	800 ft.	
Bottom Type	Mud	Volcanic Ash	Sand	Mud	Sand		Mud			
Grounding Sites	????									
Prevailing Winds	????									
Currents	Alaska Coastal Current runs SE down Shelikof Strait	Current runs east through the Strait	None							
Tides	Mean High Water-13.5 (Higher-14.4) , Mean Low Water- 1.4 (Lower- -5.0)			Mean High Water-13.7 (Higher-14.5) , Mean Low Water- 1.7 (Lower- -4.5)						Mean High Water-13.5 (Higher-14.4) , Mean Low Water- 1.4 (Lower- -5.0)
Sea Conditions	Exposed to swell from the N,SW,W	Exposed to swell from the NW	Exposed to swell from the W			Sheltered	Exposed to swell from the W	Sheltered	Exposed to swell SW	
Shelter from Severe Storms	Sheltered from storms from the S,SE,E	Exposed to storms from the NW	Exposed to storms from the W			Sheltered	Exposed to storms from the W	Sheltered	Exposed to storms from the SW	
Fog	Fog can occur during all seasons.									

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the ??? Sub-Area Contingency Plan: ???